

Memorandum

To: File
From: Tim Luke
Date: June 27, 2000
Re: Water District 74-Q Inventory

A general inventory of diversions was made of the diversions in this district on June 14-15, 2000. The inventory was part of a general inventory of diversions in the Lemhi River Basin for water management and distribution purposes. Richard Moll is the watermaster for this district and accompanied me on a tour of the diversions. Also present was John Amonson, a Mill Creek water user. Mr. Amonson also assists Mr. Moll with setting and regulating some of the diversions.

Most of the diversions on this creek are located just above or below the Forest Service boundary off Mill Creek Road. The entire creek is usually diverted in this vicinity during the irrigation season. The creek is dry below this area and then re-surfacing at the lower end west of Highway 28. There is one winter stock water diversion (the Rockpile Diversion) located about one mile below the Forest Service boundary and below Mill Creek Road. Two to three other diversions are located on the lower end near the highway (two of the three were confirmed and inventoried, one is on Ferry Creek, tributary to Mill Creek).

Based on my visit and discussions with both Moll and Amonson, the creek is regulated annually. The senior rights on the creek are diverted on the DC Ditch and Tyler Ranch diversions. Generally, all of the other diversions are cut at about the same time during the early part of the season after spring runoff subsides. The Tyler Ranch diversion will run a short time longer and then be cut so that the remaining flow satisfies the most senior rights on the DC Ditch.

I generally found all of the diversions in the creek to have adequate head gates and watermaster control as well as adequate measuring devices. The watermaster appears to be diligent in his inspection, measurement and regulation of diversions.

Several of the Parshall flume measuring devices were not level and should be re-set before next year. The Tyler Ranch and DC flumes were found to be slightly off level. Some turbulence and eddying was found around the side-entrance of the DC flume. Filling in of the banks near the entrance may improve this turbulence. The flume at the McFarland diversion ditch should re-set and leveled. The lower diversions near the highway lack head gates and measuring devices but measurement and regulation at this end does not seem to be an issue and therefore is not critical.

DATE: 6/14/2000 site TAG #
STREAM/SOURCE: MILL CREEK A0003040
(cataloged exists)

DIVERSION NAME: DC Ditch

POINT OF DIVERSION:

ACCESS: MILLICK Rd. - Forest service

USGS MAP: _____ (name) (number)

WATERMASTER CONTROL: X YES NO

DIVERSION DESCRIPTION: Wood diversion structure & heavy gate. Wood gate control lever. Notches along creek control height.

MEASUREMENT: 3' PARshall Flume (metal flume)
w/installed staffgauge. Wood device. set pretty level
lower end could be raised a little.
gage ht = 1.36'. Note that there is some eddy action
@ entrance that causes turbulence on gage.

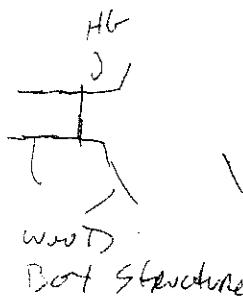
CURRENT WATER RIGHTS: Current owners = John Amonsen,
Bill Snyder, Leadore grazing.

GPS File

J061415A

rename to

L061415A





Mill Ck - DC Ditch - Diversion Dam & Headgate.

6/14/02



Mill Creek - DC Ditch

6/14/12



Mill Crk. - DC Ditch 6/14/00

A0003041

DATE: 6-14-2000

CAS FILE = L061415B

STREAM/SOURCE: MILL CR

DIVERSION NAME: STRUPP Ditch

POINT OF DIVERSION: _____

ACCESS: MILL CR RD - Forest Service RD

USGS MAP: _____
(name) _____
(number)

WATERMASTER CONTROL: X YES NO

DIVERSION DESCRIPTION: wood diversion structure & gate
LOCKABLE. Gate raises manually & is locked using
pin & chain settings w/holes on side of gate.
GATE ABOUT 2' wide
structure ≈ 3' wide x 4' length

MEASUREMENT: 2 ft. metal Paychall flume w/ staff
gate. Very good cond. set level.

CURRENT WATER RIGHTS: ALois Strupp - current owner.



Mill Ck - Strupp Ditch - 6/14/00



Mill Crk - Strapp ditch - 6/14/00



Mill Crk - Strupp Ditch - 6/14/00

NO GPS site TAG.

DATE: 6-14-2000

GPS #6 = L061416A.

STREAM/SOURCE: MILL CREEK

DIVERSION NAME: KLEINSNER Ditch

POINT OF DIVERSION:

ACCESS: MILL CREEK RD - Forest Service Rd.

USGS MAP: _____
(name) _____
(number)

WATERMASTER CONTROL: X YES _____ NO

DIVERSION DESCRIPTION: Steel Bulkhead Frame w/ steel
head gate. Gate is set by raising gate stem lever
& setting ~~2~~welded BARS on stem in notch on top of
stem. Wood log & timbers in creek wet to
check/dam water to gate. Gate diverts H2O
to 3' cmp behind gate & open earthen ditch

MEASUREMENT: 2.5' Parshall Flume. (galvanized
metal flume) w/staff gage. Good condition & set level
Device located downstream ≈ 75 yds.

CURRENT WATER RIGHTS: Ed Peterson & Bob Carlson = owners

DID NOT Tag Diversion.



Mill Cr. - Kleusner Ditch - 6-14-00



Milk
Kleusner
6-14-00



Mill Creek - Kleinsner - 6-14-00

DATE: 6-14-00

STREAM/SOURCE: Mill Creek

DIVERSION NAME: Tyler Ranch Div.

POINT OF DIVERSION:

ACCESS: Mill Cr Rd. turn off before F.S. Boundary

USGS MAP: _____
(name) _____
(number)

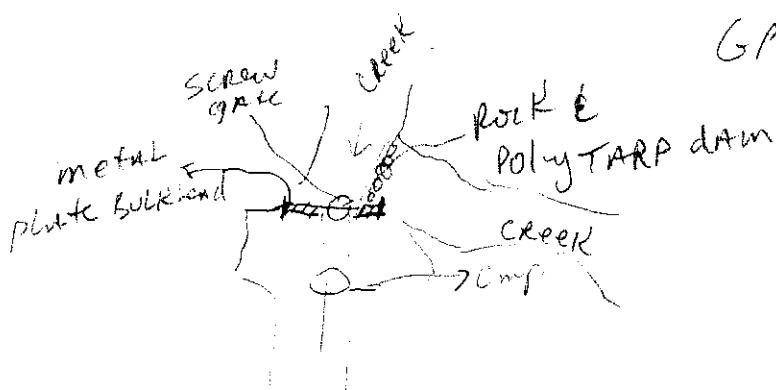
WATERMASTER CONTROL: X YES _____ NO

DIVERSION DESCRIPTION: Steel Plate Bulkhead w/ turn
screw for control. Gate is lockable. Water fall
is ≈ 3' wide rectangular plate to 3' comp & open
earthen Ditch.

USES Rock & Poly TARP Dam for diversion works
to gate.

MEASUREMENT: 3' MARSHALL Flume in Ditch Bed gate.
(wood contg). v/staff gage. reading 6/14 = 1.03'
slightly off bed across flume throat, left side working
downstream is a willow tree, could be raised here

CURRENT WATER RIGHTS: Maggie Tyler - owned



GPS File = L061417A



Mill Crk - Tyler Ranch - 6-14-08



Mid Ck - Tyler Ranch 6-14-00

GPS FILE

DATE: 6-14-2008

L061417B

STREAM/SOURCE: Mill CR.

NO TAG.

DIVERSION NAME: Mc FARLAND Livestock Div.

POINT OF DIVERSION:

ACCESS: MILL CR RD - for Tyler Ranch Div, hike in

USGS MAP: _____
(name) _____
(number)

WATERMASTER CONTROL: X YES NO

DIVERSION DESCRIPTION: Steel plate bulkhead set along
CR w/ steel screw gate. 2' ft gate leaf, water
div. to comp & open ditch. Gate is lockable.

MEASUREMENT: 1 ft. See galvanized steel Marshall fence
Flume should be re-set & leveled.

Note about ditch is generally shut off early
in season

Generally - all divs. except DC & Tyler are
shut off @ conefine. Then Tyler is cut

CURRENT WATER RIGHTS: Mc FARLAND Livestock (Tex RAVOR) = owner

Ver
Comm's.
X
Ditch



Mill Crk - McFarland Livestock 6-14-00



Mill Ch - McFarland Livestock - 6-14-00

DATE: 6-14-2000

NO TAG.

STREAM/SOURCE: MILL CR

DIVERSION NAME: ROBInson Ditch

POINT OF DIVERSION:

ACCESS: MILL CR RD - like in

USGS MAP: _____
(name) _____
(number) _____

WATERMASTER CONTROL: X YES NO

DIVERSION DESCRIPTION: steel plate bulk head w/adjustable
steel lever control gate. Lever or stem has welded bars
that fit in notch for setting

MEASUREMENT: 2.5' Parshall flume (galvanized
steel) good cond. set level.
bottom D/S of 46 ≈ 75 yds.

CURRENT WATER RIGHTS: Bob Carlson = owner

GPS FN: L061418A



Mill Creek - Robinson Ditch 6-14-00



Mill Cr. - Robinson Ditch 6-14-08

DATE: 6-14-04

STREAM/SOURCE: MILL CR

DIVERSION NAME: Hanson/Stoddard Ditch

POINT OF DIVERSION: _____

ACCESS: MILL CR RD - Neko Inn

USGS MAP: _____
(name) _____
(number) _____

WATERMASTER CONTROL: X YES NO

DIVERSION DESCRIPTION: Wood Div. structure w/wood
Headgate, wood gate (can controlled by
lock with pin & holes for settings).
Rock diversion & plastic TARP dam used to
direct / check water to gate

MEASUREMENT: Wood Splitter Box Blw H.G. splits water
between Bob Ansonson & Scott Tyler.
Ansonson Flume = 2 1/2' Parshall Flume
(galvanized steel) (wood). Cond. set fairly well.
Tyler: 1 ft. steel galvanized Parshall Flume.
Flume is level in throat; But aft. = 1/4"
across front.

CURRENT WATER RIGHTS: Bob Ansonson & Scott Tyler = names

Photos

- H.G
- splitter box
- Ansonson Flume

GPS File = LOG418B



Mill Crk. Hanson/Stoddard 6-14-00



Mill Ck - Hanson/Stoddard 6/14/00



Mill Crk - Hanson/Stoddard - 6-14-00

DATE: 6-14-00

STREAM/SOURCE: MILL CR

DIVERSION NAME: Rock Pile Div. (winter stock Div. only)

POINT OF DIVERSION: _____

ACCESS: _____

USGS MAP: _____
(name) _____
(number) _____

WATERMASTER CONTROL: YES NO

DIVERSION DESCRIPTION: As per WM Dick MOLL, P.D.
is nearly @ the last P.D. on Creek (see prior w) (Hanson
Bkt Below the mill CR road A visible ditch
comes off creek. There is an earthen & rock
pile dam along & in middle of cr that directs
to ditch. Use here is winter - Stock only.
CR usually dry here except after T.P.P. season

MEASUREMENT: 6' PARshall Flume (galvez. std)
good cond. needs cleaning.

CURRENT WATER RIGHTS: S. Tyler - owner

GPS LOGO419A
NO TAG.
GPS @ CR Below road
where cr is dammed



Mid Cr - Rock Pile Div 6-14-00



Mill Cr - Rock Pile Div 6-14-08



Mill Crk - Rock Pile Div 6-14-00

NO SITE TAG

GPS Filenome: H061514A

DATE: 6/15/00

STREAM/SOURCE: FERRY CREEK, TRIB TO MILL CREEK

DIVERSION NAME: JERRY MORPHY DIVERSION

POINT OF DIVERSION: _____

ACCESS: OFF Highway 28 & Bob Amerson Drv, hile E 1/2 mile north

USGS MAP: _____
(name) _____
(number)

WATERMASTER CONTROL: _____ YES NO

DIVERSION DESCRIPTION: PLASTIC TARP AND ROCK/EARTH
dam directs creek channel to small open ditch
ditch runs approx 1/4 mile to several open
meadows. return flow goes back to mill ck.

MEASUREMENT: None

CURRENT WATER RIGHTS: JERRY MORPHY = current owner

GPS'd 35' south of diversion.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Water Measurement Program

GPS FIELD DATA FORM FOR SURFACE WATER DIVERSIONS
IDWR STAFF FORM 1995

Diversion Name/Facility: Ferry CR / Jerry Morphus Ditch

Water Source: _____

Water Rl. Owner/Contact: _____

Current Owner

Name Morphus, Jerry Phone _____
Last, First, MI

Operator (if leased or operated by someone else)

Name _____ Phone _____
Last, First, MI

GPS Site Identification

Date: 6-15-00 GPS File Name/Number: A061514A

Uncorrected: Longitude _____ Latitude _____

Corrected: Longitude _____ Latitude _____

PLS/USGS Locator: _____ Site Tag Id. No. NU TAG

GPS Location Description & Offset: 35' South of diversion

Site Tag Location Description: _____

see back

Sovell: Ferry CK, trib to Mill

D.W. Description: Plastic trap & Rock/Cash
Dam diverts water to small open ditch
Ditch runs \approx 1/4 mi to several small open
meadows.

No nests. Ditch



Ferry Ok - Jerry Morphy 6-15-00



Ferry Ck - Jerry Morphy - 6-15-00

GPS FIELD DATA FORM - IDWR, Water Distribution

Date: 6/15/00 Examiner: Jane Tallman

Stream / Source: Mill Creek

Diversion Name: BOB Amerson Ditch diversion

Access: mile marker 100, Hwy — private property rd.

Watermaster Control: YES NO

Water Right Owner: Amerson

Contact Person:

Point of Diversion:

GPS Site Tag No.: A0008126 Site Tag Location Description: on horizontal
plank of wood diversion structure

PLS/USGS: Locator

GPS File Name/Number: A0008126_L001514A

GPS Location Desc. & Offset: @ headgate

USGS Map: _____ (name) _____ (number)

Diversion Description: 4' wide wooden diversion box (cany
to one side - not in good condition.
Would block end of Mill Creek (per John Amerson)

Measurement: Parshall Flume ~ 30' from diversion
24 x 15, sunken on S. side, heavily
silted in 3' water flows around sides

Current Water Rights: BOB Amerson = current owner



Mill Cr - Bob Amanson Div - A 000 8126

6/15/00

GPS FID = H061516A
site TAG = A000 8125

DATE: 6/15/00

STREAM/SOURCE: Everson CR, Trib. to Strand & Lee Creeks

DIVERSION NAME: Tomchar AR & Smith D. I.

POINT OF DIVERSION: _____

ACCESS: _____

USGS MAP: _____

(name)

(number)

WATERMASTER CONTROL: YES X NO

DIVERSION DESCRIPTION: Rock & Evergreen Beam Diverts
Creek flow to Ditch.

Source may also be known as Lee Creek

MEASUREMENT: _____

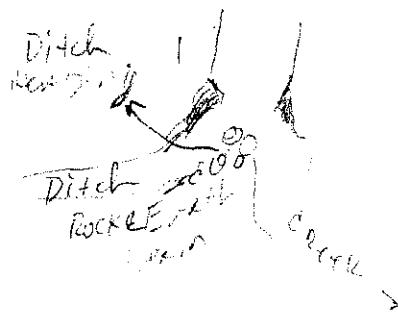
Two Ramped Brown plastic Flumes in Ditch

About 1/4 mi S of Ditch bending

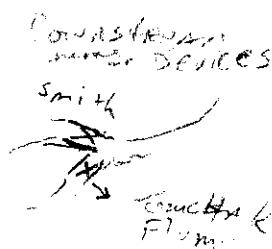
Flumes have adjustable sills

Flumes split Ditch to Tomchar & Smith

CURRENT WATER RIGHTS: Grant Smith & David Tomchar
= CUPRUM MINING CO.



measured 1st to Aspen
tree about 30' NE of Div.





Everson Ck - Tomchak & Smith 6-15-00



Everson Ck - Tonckaak & Smith 6-15-00

DATE: 6/15/00

SITE TAG #: A0008124

GPS FN: H061516 B

STREAM/SOURCE: Stroud Creek, TRIB to Lee CR, TAG to Diversion structure.

DIVERSION NAME: Cal Whittaker Ditch

POINT OF DIVERSION: _____

ACCESS: _____

USGS MAP: _____
(name) _____ (number)

WATERMASTER CONTROL: YES X NO

DIVERSION DESCRIPTION: Wood/Timber structure in
creek banks/diverts water to ditch. Two rectangular
openings in structure by pass water to CR.
Can place boards across openings to adjust flow

MEASUREMENT: None

CURRENT WATER RIGHTS: Cal Whittaker = current owner

Note: GPS down ditch
≈ 10 ft. (SE of Div. Structure)

Lee CR. TRIB to Big Eight mile CR.

source may also be known as Lee Creek



Strand Ch - Cal Whittaker 6-15-00



Stroud Ch - Cal Whittaker 6-15-06

SITE TAG: A0011439

DATE: 6/15/00 TUKE

GPS FN: H061517A

STREAM/SOURCE: STROUD CREEK, trib. to Lee CR TAG ON WOOD HEADGATE

DIVERSION NAME: Bruce McMillum Ditch Div. SOT FARM
NAILED TO BOX

POINT OF DIVERSION:

ACCESS:

USGS MAP: _____
(name) (number)

WATERMASTER CONTROL: YES NO
NO Lockable

DIVERSION DESCRIPTION: Wood diversion ^{DAM} Strudelite STRECH
creek checks & directs water to wood diversion
12' x 16' Headgate. Flow can be controlled by
Boarding diversion Box or low-piling / Removable
boards from Div. Dam.

MEASUREMENT: 3 Ft. wood Coppellatti weir in ditch
below H.G. Box. Weir is washed out, flow goes
over weir. Should be reset. Weir is set in
wooden which is bad. Edges & crest are worn/no thin
metal plate installed for crest or sides

CURRENT WATER RIGHTS: Bruce McMillum - owner



Stroud Ck - McCollum 6-15-00



Stroud Cr - McCollum 6-15-00

DATE: 6/15/00

Site Tag: A0011440
Nailed to Wicker Dow. D42

STREAM/SOURCE: Strong Creek, trib to Lee CR. GPS FN: N39°51'17"E

DIVERSION NAME: James Whittaker Ditch

POINT OF DIVERSION: _____

ACCESS: _____

USGS MAP: _____
(name) _____
(number) _____

DIVERSION DESCRIPTION: Wiley Diversion Dam Colorado
Across creek drifts within 40' reach. Some control
possible using boulders across diversion dam.

This ditch has (one outlet) low end first st.,
This is last division so generally no control; Ditch
Aides which all of creek.

MEASUREMENT: 3' ft away, cipollotti WCR in ditch
Sist Blue ~~then~~ green - on leaning, wcr should be leveled,
Also - wcr within metal plate on except on sides
WCR stand D/S)

CURRENT WATER RIGHTS: Jones Whittaker is in need



Stroud CK - James Whittaker - 6-15-00



Stroud Ck - James Whittaker 6-15-00

DATE: 6/14/00

STREAM/SOURCE: Big Eight Mile Cr.

DIVERSION NAME: ditch not named, James Whittaker owner

POINT OF DIVERSION: GPS File # LO61423A

ACCESS: Big Eight Mile Cr. Road

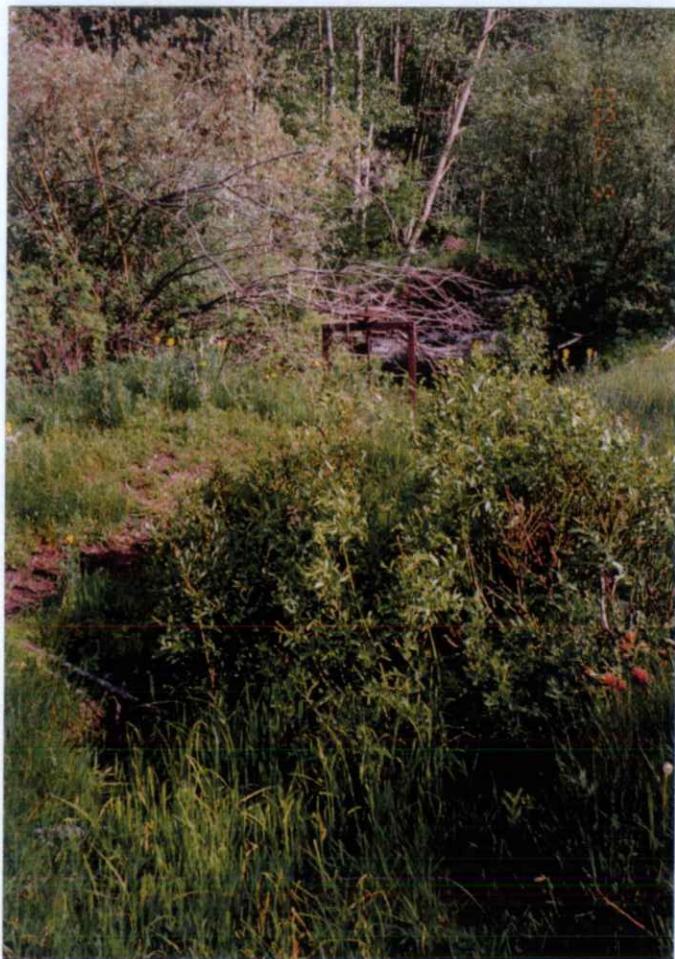
USGS MAP: _____
(name) _____
(number) _____

WATERMASTER CONTROL: X YES _____ NO Dick Moll

DIVERSION DESCRIPTION: high water only, dry @ time of investigation → Not used in years
Armed headgate, no weir
2' Diam.

MEASUREMENT: _____

CURRENT WATER RIGHTS: James Whittaker



Big 8 Mile Ck - James Whittaker owner. - No Name

6/14/00

Site Tag = A0008114

H061423C

DATE: 6-14-2000

STREAM/SOURCE: BIG 8 mi. CREEK

DIVERSION NAME: Kent BIRD

POINT OF DIVERSION: _____

ACCESS: OFF 8 mi. CR RD

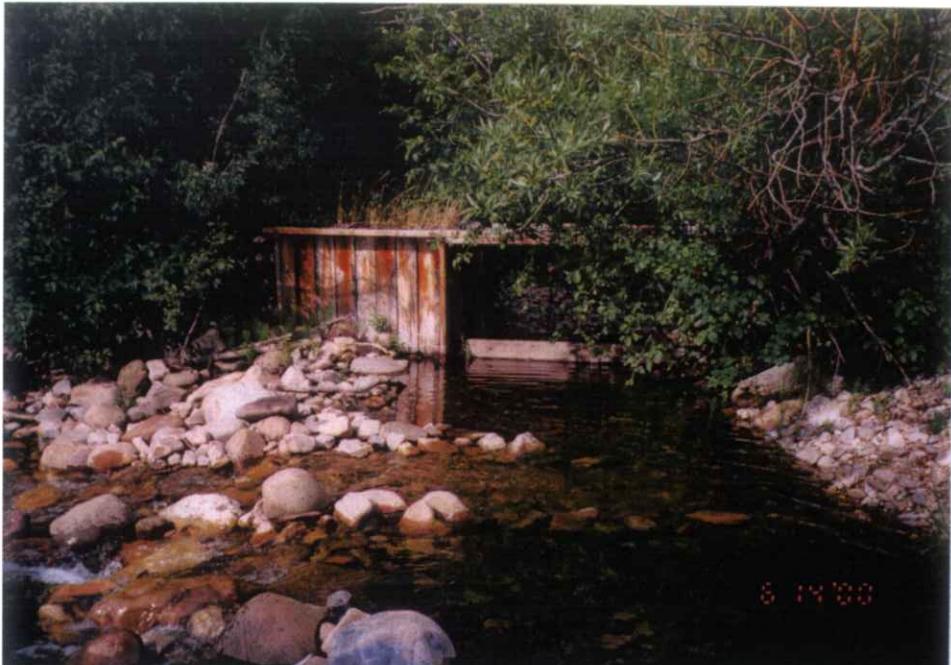
USGS MAP: _____
(name) _____
(number) _____

WATERMASTER CONTROL: X YES NO NOT LOCKABLE

DIVERSION DESCRIPTION: 5 - 6 ft wide wood diversion
Box with stop logs at front for control.
Flow goes to open ditch. Rock wing dam in
creek creek's water to gate.

MEASUREMENT: 4' Cipollitti weir. Thin plate weir
in front bulkhead. Ditch silted in behind weir.

CURRENT WATER RIGHTS: Kent BIRD = owner



Big 8 mile creek
Kent Bird
A0008114

6/14/00

Site Tag #: A000 8115
H061423B

DATE: 6-14-00

STREAM/SOURCE: BIG EIGHT MI. CR

DIVERSION NAME: Ron Peterson Diversion

POINT OF DIVERSION: _____

ACCESS: OFF 8 mi. CR RD.

USGS MAP: _____
(name) _____
(number) _____

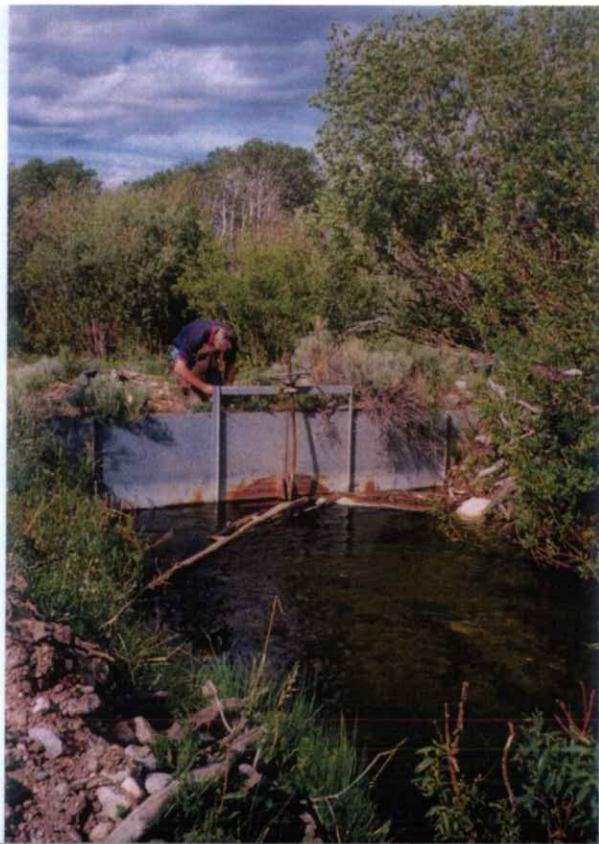
WATERMASTER CONTROL: X YES NO

DIVERSION DESCRIPTION: Steel plate bulk head with screw gate. Gate leaf is approx 3' wide circular steel plate, turns water to Cusp (3' diam) & open ditch.

MEASUREMENT: None : Owner installed steel cipollelli were in steel were box. Were is welded into box at $\approx 60^\circ$ downstream angle (see photo) & were crest is also submerged. Should be re-welded perpendicular to flow, 90° angle, w/ crest raised.

CURRENT WATER RIGHTS: Ken (CD) Peterson, Daegl INEF-owner

Kenny Peterson's ditch



Big 8 Mile Creek -
Ted Peterson
A0008115

6/14/00

DATE: 6-16-00

STREAM/SOURCE: Big Eight mile CR

DIVERSION NAME: Jimmy Anderson Ditch A000813

POINT OF DIVERSION: Then Stone Whittaker Ranch off 8 mi. CR RD

ACCESS: _____

USGS MAP: _____
(name) _____ (number) _____

WATERMASTER CONTROL: X YES _____ NO

DIVERSION DESCRIPTION: Rock wing diversion Dam in
creek directs H2O to Steel frame headgate w/
Metal screen screen. Water diversion then enters
open ditch.

MEASUREMENT: NONE

CURRENT WATER RIGHTS: James Whittaker

GPS File # = H06H23A
Site TAG # = A000813



Big 8 Mile Cr - Jimmy Anderson - A0008113

6/14/00

DATE: 6/14/00

Site tag #
A0008112

FN: H061422B

STREAM/SOURCE: Big Eight Mile Cr.

DIVERSION NAME: Herman Ditch

POINT OF DIVERSION: James Whittaker Ranch off 8 mi Rd.

ACCESS: _____

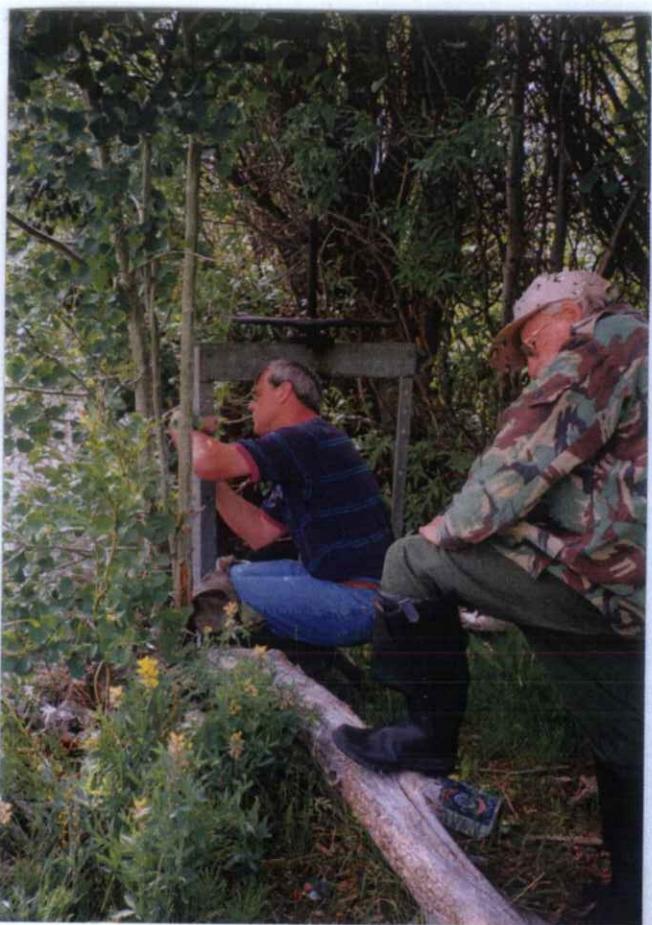
USGS MAP: _____
(name) _____ (number)

WATERMASTER CONTROL: X YES _____ NO

DIVERSION DESCRIPTION: Steel frame heavy gate w/
turn screw - ~~ARMCO~~ type gate directs water
to comp & open ditch. Small rock dam in
creek checks water to needs
Note.

MEASUREMENT: 6' Cipolletti Weir wood weir &
sewerage. Long weir pool & no pre built weir
sides & plane all wood crust is beaten in
direction of flow more installed weirs but
WM uses a concrete foundation on crest.

CURRENT WATER RIGHTS: James Whittaker & Bill Ranch ranch



Big 8 Mile Creek - Herman Ditch - A 000 8/12

6/14/06

DATE: 6-14-00

GPS File

STREAM/SOURCE: Big Eight Mile CR

-H061421A

DIVERSION NAME: Ellsworth - Young Ditch

POINT OF DIVERSION:

ACCESS: MILL CR ROAD

USGS MAP:

(name)

(number)

Site TAG @ Weir

A0008116

WATERMASTER CONTROL: YES X NO

DIVERSION DESCRIPTION: Rock diversion Dam separates creek into two ditches. It is really separation of creek into two streams. Diversion/Ditches are low-water diversion.

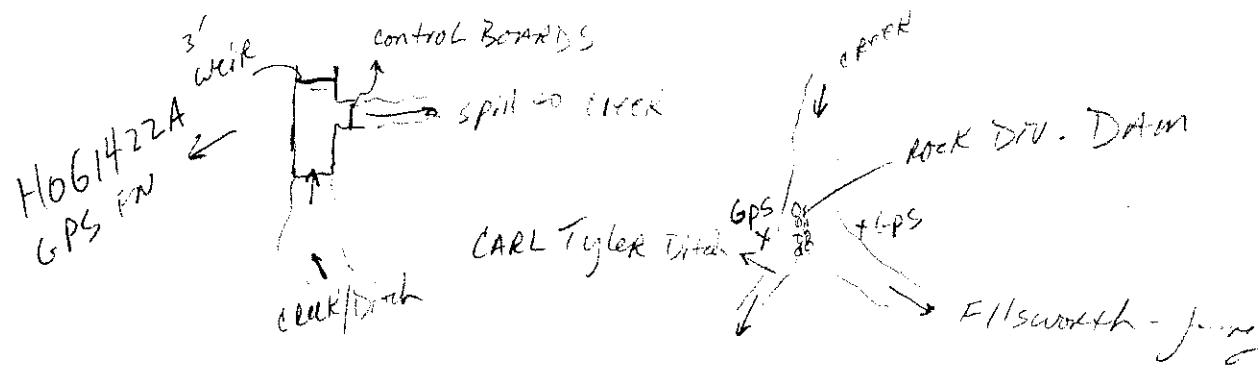
Note: Weir is of may be appropriate for flow can be controlled

MEASUREMENT: 3' Cipoletti Weir in wood Box.

Weir plate is thin metal plate. FAIR condition.

Box has return/spill outlet - for return/spill water to creek. Flow can be controlled by wooden boards in outlet Box.

CURRENT WATER RIGHTS: Ellsworth & Young = owners





Big 8 Mine CK
Ellsworth/Young
A0008116

6/14/00



DATE: 6-14-00

HJ61421B = GPS
PN

STREAM/SOURCE: Big Eight Mile CR

Site Tag = A000E -

DIVERSION NAME: Carl Taylor Ditch

Walled
W.R.
S.B.

POINT OF DIVERSION: _____

ACCESS: _____

USGS MAP: _____
(name)

(number)

WATERMASTER CONTROL: YES X NO

DIVERSION DESCRIPTION: See Ellsworth Hwy Div

MEASUREMENT: 4' Cipphelli Weir. Steel weir plate
in 100% flow. Com's. Com's.

CURRENT WATER RIGHTS: Carl Taylor - Owner